

**C 8127 - I-90 - Snowshed to Keechelus Dam Phase 1C - Replace Snowshed and Add Lanes**

Q & A # 6, May 19, 2011

Question #	Reference & Page #	Question	Response
38	Special Provisions, Pages 508 and 515	How many site visits is the Manufacturer of the Snow Nets required to make?	In the Special Provisions, see Page 508, lines 26-28 under the heading "Field Staking" and Page 515, lines 1-9 under the heading "Manufacturer's Review".
39	Special Provisions, Pages 155, 156, and 508	Does WSDOT want the Snow Nets installed in the first season?	It is anticipated that the tension anchors will be installed in the first and second construction seasons, and that the net portions of the Snow Nets will all be installed in Season 2. All Snow Nets must be installed by the end of Season 2. Lines 40-41 on Page 508 of the Special Provisions state that Snow Net Installation shall begin and be completed in Season 2. This will be updated in an upcoming addendum to allow for the possibility of Season 1 installation when the following requirements are met: (1.) Rock slope scaling in the vicinity has been completed, (2.) Working drawings for the final Snow Net layout are approved, and (3.) All of the nets for the Snow Nets at Slide Curve will be installed within one construction season. Items 1 and 2 in this list are always required before tension anchors are installed, and Item 3 is required regardless of whether the Snow Net installation work at Slide Curve is performed in Season 1 or Season 2.

**C 8127 - I-90 - Snowshed to Keechelus Dam Phase 1C - Replace Snowshed and Add Lanes**

Q & A # 6, May 19, 2011

Question #	Reference & Page #	Question	Response
40	Special Provisions, Page 504	Is the 150mm for the primary mesh in the Special Provisions a misprint? Page 504, lines 39 – 43 of the Special Provisions states under the heading Component Material Specifications: Primary mesh shall be size 150mm (nominal). Fine Mesh shall be sized between a 25mm by 25mm and 50mm by 50mm “checkerboard” pattern This does not match the Swiss Technical Guidelines for Avalanche Starting Zones. Page 74 (5.8.1.3.1) states the ideal open width is 250mm. Page 76 (5.8.3.3) for Open Widths (mesh widths) is subject to the following conditions: Where no covering of wire netting is used, the open width w of the wire ropes should not exceed 100mm. Where a covering of wire netting having a mesh of 50mm is used, a wire rope mesh of 200 to 250mm will suffice.	The primary mesh should be per the 2007 Swiss Guidelines – 200mm to 250mm. This will be updated in an upcoming addendum.
41	Special Provisions, Page 504	Page 504 line 45 of the Special Provisions states that the “Nets shall be galvanized class A EN 10244-2 for corrosion protection”. This is a Class A European Specification and we normally use a Class B that would be a zinc-aluminum coating. It would be 3 times more coating than would normally be used. Can we use the Class B ASTM standard for corrosion protection? If not, can we use a ASTM equivalent for the European Specification and which ASTM Specification would it be?	EN 10264, Class B is an acceptable level of corrosion protection for the snow nets wire ropes. (Tension anchors must be galvanized to Class A). This will be updated in an upcoming addendum.
42	Special Provisions, Page 506	On Page 506 lines 45 – 48 of the special Provisions, under the submittals section, submittal # 4 mentions “ground plate foundations”. Are ground plates what WSDOT is looking for in all locations? The Swiss Tech. Guidelines shows several different options and one has no ground plates.	Swivel support foundations must be designed by the contractor based on field conditions. This could include pre-fabricated base plate or other foundation types capable of supporting the design loads.

**C 8127 - I-90 - Snowshed to Keechelus Dam Phase 1C - Replace Snowshed and Add Lanes**

Q & A # 6, May 19, 2011

Question #	Reference & Page #	Question	Response
43	---	Is the Stampede Pass I/C Area available for the contractors trailer?	No, not at this time. Contractors should not base their bids on the use of areas outside the areas shown and setup in the contract plans for job shacks. They can not assume that other areas, outside those listed in the contract, will be available. If after the award of the contract, they want to pursue other locations or make an agreement with a private party to use their property, they can do so.
44	Std. Spec. Sections 1-03.2, 1-03.3, and 1-08.4	With Bid opening on June 15th, Award 45 days later, Execution of Contract (NTP) 20 days after that, and with all the submittals required it will be after labor day before work can start. This will only leave approximately 6 weeks for the 1st season's work. Is WSDOT going to expedite the Award to NTP process? If they are, why don't they say so in the contract documents.	WSDOT plans to Award the Contract ASAP, typically within one week of Bid opening if the low bidder has submitted all the required documentation correctly and there are no other bidders who challenge or contest the apparent low. Phase 1B was Awarded within one week. WSDOT will not be modifying the Standard Specifications or contract language in Sections 1-03.2, 1-03.3 or 1-08.4 to reduce the time as specified.
45	Special Provisions, Pages 160-161	Can the work windows be extended?	Weather permitting and with the proper approvals, work windows can sometimes be extended. However, due to the location and winter snow operations, the winter shutdown configuration must be in place by October 15 as stated in the Contract.
46	---	Who is providing and who is installing the following electronic equipment for the Snowshed: (1) Cellular antenna and leaky cable, (2) Cameras and cables, (3) IP / digital phones, base module, and cables for the phone system, and (4) Call boxes?	<p>WSDOT is providing the cellular antenna, but the contractor is providing the leaky cable, and the contractor is installing both. WSDOT may at a later date add a amplifier if needed, not the contractor's responsibility.</p> <p>WSDOT is providing the cameras, and IP / digital phones and the base module for the phone system but the contractor is installing all including providing and installing all the cables for the phone system and cameras. WSDOT will configure the phone system. The contractor is providing and installing the call boxes.</p>

**C 8127 - I-90 - Snowshed to Keechelus Dam Phase 1C - Replace Snowshed and Add Lanes**

Q & A # 6, May 19, 2011

Question #	Reference & Page #	Question	Response
47	Plan Sheet 226	Where in the Plans is the Camera pole 90 degree anchorage for the elbow mounted pole in a barrier, that is, for the 30' mounting height pole that is listed on TS13 - Plan Sheet 717. Sheet TS5, note 21, refers to TS13 & TS15 - and barrier details for Wall #8. Where is the barrier anchorage detail for Camera pole # "CCTV #2", analogous to the detail shown on Plan Sheet W1-9 (Sheet 564) for lighting poles that mount in a barrier? The barrier side on the camera elbow appears to be the same as the barrier side of the lighting pole, but I need to verify and/or locate the barrier anchorage for the Camera pole.	The information you are looking for should be found on Plan Sheet CB29 (Sheet 226). This sheet is updated in the addendum scheduled to be available this week.
48	Plan Sheets 696E, 696F, 696I, 696J, 696K and 696L, 697	Plan Sheets 696E, 696F, 696I, 696J, 696K and 696L in Addendum No. 1 show a support for the Alcoves. There are no details provided for the Alcove Supports.	In the addendum scheduled to be available this week, Plan Sheet 697 (Alcove Detail Sheet AL1) will be replaced and Plan Sheets 697A-697E (Alcove Detail Sheets AL1A-AL1E) will be added. Plan Sheets 697C & 697D (Alcove Detail Sheets AL1C & AL1D) detail the support for alcoves 1, 2, 5, 6, 7, & 8 at Wall 3.
49	Plan Sheet 697	Plan Sheet 697 in the Ad plan set details the Alcoves as 1 sided structures. The Alcove Drawings indicate otherwise. Which is correct? Please provide details.	Alcoves 1, 2, 5, 6, 7, & 8 at Wall 3 are three sided because they extend horizontally beyond the face of Wall 3. These details are shown on Plan Sheets 697C & 697D (Alcove Detail Sheets AL1C & AL1D) in the addendum scheduled to be available this week.